

BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineer

Yelahanka Division

B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/14/2021-22 Dated: 15-12-2021

APPROVED TENDER SCHEDULE -'B'

Item 04

Name of Work :-Construction of Additional Class Rooms to Govt School at B Sector in ward No 04.

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS)	
				Rate	Rate in Words
1	KSRB 4.2.7: Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with super plasticisers @31ts confirming to 189103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 ems thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintels, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.	Cum	74.18	6911.44	Six Thousand Nine Hundred Eleven Paise FourtyFour Only
2	Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregates @ 0.0391 cum, with super plasticisers @0.2251ts, machine mixed, well compacted for plain chajja of 8.5 ems. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications.	Sqm	10.13	568.22	Five Hundred SixtyEight Paise TwentyTwo Only
3	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and I or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. and Lift charges for steel of all diameters for additional floors over ground floor per floor height of 3.5 m. or part there of cost of labour, complete as per specifications.- .do-TMT bars Fe 500 (BCSR Item No 4.46Page No.18)	Tonne	9.15	99036.47	NinetyNine Thousand ThirtySix Paise FourtySeven Only

	Lift charges for steel of all diameters for additional floors over ground floor per floor height of 3.5m. Or part there of cost of labour complete as per specifications, specification no.KBS (P.No.18, I No. 4.47)	Tonne	9.15	847.42	Eight Hundred FourtySeven Paise FourtyTwo Only
5	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, postand struts, square I rectangular/polygon in plan including cost of allmaterials, labour complete as per specifications.	Sqm	104.90	542.84	Five Hundred FourtyTwo Paise EightyFour Only
6	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labourcompleteas per specifications.	Sqm	46.16	482.79	Four Hundred EightyTwo Paise SeventyNine Only
7	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for chajja, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	12.75	392.16	Three Hundred NinetyTwo Paise Sixteen Only
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labourcompleteas per specifications.	Sqm	154.11	357.04	Three Hundred FiftySeven Paise Four Only
9	Providing and removing centering, shuttering. Strutting, proping etc. and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as perspecifications.	Sqm	246.48	524.71	Five Hundred TwentyFour Paise SeventyOne Only
10	Providing & applying water proofing to concrete surfaces usinghigh quality polymer-modified bituminous compounds (confirming to ASTM Sqm D 5147) reinforced with non woven polyester fabric, weighing 180gml sqm granular finish 4mm thick by torch on application method confirming to the properties indicated below. It shall be provided after priming the surface using bitumen primer at 0.2 Itr Isqm. Detailed specification & Methodology 1. Membrane thickness 4mm (+ or - 5%) 2. Tensile strength - Longitudinal 790 N15cm Transverse 730 N15cm 3. Elongation of Membrane - Longitudinal 65% Transverse 69%4. Tear Resistance - Longitudinal 180 NTransverse 190 N 5. Lap joint strength - Longitudinal 750 N15cm Transverse 550 N15cm6. Puncture Resistance - Static 1.4 Dynamic 1.3 7. Water absorption - < 0.15% 8. Water permeability - Nil 9. Chemical resistance - Chloride, sulphate and Nitrate The area to be water proofed shall be free from loose aggregate, dust free and in dry condition. Primer must be applied to the surface and allowed to dry prior to application of membrane. The membrane shall be applied within 6 hours after application of primer. The membrane comes in a roll form shall be unrolled and placed in the correct position where it has to be torched. Each layer must over lap the next layer by min 10cm at the adjacent and 15cm at the ends. The heat application through propane gas torch shall be applied on membrane thus causing melting and subsequent adhesion in	sqm	246.44	487.16	Four Hundred EightySeven Paise Sixteen Only

	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not less than 1800 kg/m ³ and having a minimum average compressive strength 4.00 N/mm ² confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing complete as per	Sqm	124.71	1126.58	One Thousand One Hundred TwentySix Paise FiftyEight Only
12	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not less than 1800 kg/m ³ and having a minimum average compressive strength 4.00 N/mm ² confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing complete as per specifications. KBS No.5.4 (P.No.27, I No. 5.26.2) A)Ground floor:-	Sqm	64.16	1046.82	One Thousand FourtySix Paise EightyTwo Only
13	B)First floor:-	Sqm	58.52	1083.53	One Thousand EightyThree Paise FiftyThree Only
14	Fixing of Door frames in an existing opening including embedding frame in floor and walls after cutting masonry for embedding holdfasts including providing & fixing 3/4 of MS hold fasts of size 200x20x3mm for each side and fixed to the frame and embeded with PCC 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size), painting two coats of coal tar to sides of frames, making good the damages to walls & floor as required and disposal of debris including cost of materials, labour, HOM of machineries complete as per specifications all as per the drawing and as per the directions of the Engineer-in-charge of the work.	No	5.00	1547.57	One Thousand Five Hundred FourtySeven Paise FiftySeven Only
15	Providing wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per specifications. White Sal wood frames	Cum	0.31	68596.04	SixtyEight Thousand Five Hundred NinetySix Paise Four Only
16	Providing and fixing in position fully panelled wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM complete as per specifications. (excluding cost of fixtures)	Sqm	11.03	4922.54	Four Thousand Nine Hundred TwentyTwo Paise FiftyFour Only
17	KSRB 15-3: Providing 12mm thick plain plastering in single coat to internal ceiling & RC surfaces in cement mortar 1:3 (1 cement : 4 fine sand) including providing & removing necessary scaffolding, rounding of corners wherever required, smooth rendering with lime, curing etc. including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading, with all lead and lifts etc., complete & as per specification and as directed by Engineer.	Sqm	230.88	272.53	Two Hundred SeventyTwo Paise FiftyThree Only

	KSRB 15-3: Providing 15mm thick plain plastering in single coat to internal masonry surfaces, in cement mortar 1:4 (1 cement : 4 fine sand) including providing & removing necessary scaffolding, rounding of corners wherever required, smooth rendering with lime, curing etc.including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., complete & as per specification and as directed by Engineer.	Sqm	450.18	256.67	Two Hundred FiftySix Paise SixtySeven Only
19	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. A)Ground Floor:-	Sqm	574.11	36.25	ThirtySix Paise TwentyFive Only
20	B)First Floor: -	Sqm	681.06	42.55	FourtyTwo Paise FiftyFive Only
21	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curingcomplete as per	Sqm	338.79	283.86	Two Hundred EightyThree Paise EightySix Only
22	Providing and laying flooring using prepolished, water cut/ gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs include laying POP on finished surface,including cost of materials, labour charges, etc., complete as per specifications A)Ground Floor: -	Sqm	426.82	3103.07	Three Thousand One Hundred Three Paise Seven Only
23	B)First Floor: -	Sqm	257.33	3105.17	Three Thousand One Hundred Five Paise Seventeen Only
24	Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, completeas per specifications.	Sqm	15.27	1442.04	One Thousand Four Hundred FourtyTwo Paise Four Only
25	KSRB 14.9-1:Providing and laying M-15 Cement concrete flooring,50mm thick with metallic concrete hardner topping,under layer of 35mm thick M-15 cement concrete using broken granite metal of 20mm and down size,and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix :2 granite metal 10mm nominal size) by volume with which metallic hardeing compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt),including finishing cost of materials labour,curing complete as per specifications. A)Ground Floor:-	Sqm	336.22	714.87	Seven Hundred Fourteen Paise EightySeven Only
26	B)First Floor: -	Sqm	224.55	716.97	Seven Hundred Sixteen Paise NinetySeven Only

	Providing and fixing cement base precast, pre-polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, gridding the edge to half/full round wherever required, labour curing complete as per specification. A)Ground Floor	Sqm	64.44	1395.76	One Thousand Three Hundred NinetyFive Paise SeventySix Only
28	B)First FloorTerrace: -	Sqm	224.55	1397.86	One Thousand Three Hundred NinetySeven Paise EightySix Only
29	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.. with primer Internal Masonry wall surfaces	Sqm	600.03	88.37	EightyEight Paise ThirtySeven Only
30	B)First Floor: -	Sqm	683.94	94.66	NinetyFour Paise SixtySix Only
31	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. A)Ground Floor:-	Sqm	328.42	115.56	One Hundred Fifteen Paise FiftySix Only
32	B)First Floor: -	Sqm	338.79	119.75	One Hundred Nineteen Paise SeventyFive Only

[Handwritten signature]

[Handwritten signature]

	KSRB 7.10 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. With 1.2mm thick, bottom section weight 0.695 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417kg/m; shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc; and providing and fixing 5.5mm thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenoned and rivetted in the assembled frame stiffened with end beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rush and coated with greasy for non adhesion of mortor and other sticky materials:(this fixtures, labhour and HOM at machinery complete as per specifications.Using alluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. A)Ground	Sqm	17.48	4956.53	Four Thousand Nine Hundred FiftySix Paise FiftyThree Only
34	B)First Floor: -	Sqm	21.60	4962.82	Four Thousand Nine Hundred SixtyTwo Paise EightyTwo Only
35	Providing and fixing MS Grill over existing Compound Wall as Per using 16mm x 16mm M.S.Square Rod at 150mm c/c spacing and 6mm x40mm MS.flats at horizontal and 6mm x12mm M.S.flat for ornamental Design at the vertex of every vertical rods,including welding ,grinding wherever necessary.All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc complete.The work includes cost of all materials ,labour charges for all items of work ,hire charges for welding,cutting and grinding equipment,and electricity charges etc,Complete as per specification.	Sqm	72.00	6082.65	Six Thousand EightyTwo Paise SixtyFive Only
36	B)First Floor: -	Sqm	201.60	6088.94	Six Thousand EightyEight Paise NinetyFour Only
37	KSRB 15-17.4 : Applying priming coat over new wood surface and I or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.	Sqm	254.09	56.65	FiftySix Paise SixtyFive Only
	A)Ground Floor: -	Sqm	478.41	60.84	Sixty Paise EightyFour Only
38	B)First Floor: -	Sqm			

	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and I or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as perspecifications.	Sqm	254.09	109.89	One Hundred Nine Paise EightyNine Only
40	A)Ground Floor: - B)First Floor: -	Sqm	478.41	114.09	One Hundred Fourteen Paise Nine Only
41	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications.-90 mm dia	Mtr	30.00	430.51	Four Hundred Thirty Paise FiftyOne Only
42	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold watersupply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the wall etc.). 20mm nominal OD pipes (P.No 99 of I.No.13.86.2 in PW,P&IWTD SR 2018-19).	Mtr	30.00	266.24	Two Hundred SixtySix Paise TwentyFour Only
43	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold watersupply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the wall etc.). 25mm nominal OD pipes (P.No 99 of I.No.13.86.3 in PW,P&IWTD SR 2018-19)	Mtr	36.00	331.95	Three Hundred ThirtyOne Paise NinetyFive Only
44	Providing and fixing Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) size 12.5cms x7.5cms (P.No 90 of I.No.12.113.2 in PW,P&IWTD SR 2018-19)	Each	7.00	322.88	Three Hundred TwentyTwo Paise EightyEight Only
45	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.(P.No 90 of I.No.12.111 in PW,P&IWTD SR 2018-19)	Each	7.00	169.94	One Hundred SixtyNine Paise NinetyFour Only
46	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(P.No 94 of I.No.13.34 in PW,P&IWTD SR	Each	2.00	508.68	Five Hundred Eight Paise SixtyEight Only

	Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 140mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (P.No 95 of I.No.13.70.6 in PW,P&IWTD SR 2018-19).	Mtr	24.00	629.90	Six Hundred Twenty Nine Paise Ninety Only
48	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660 x 460 with a pair of 15 mm C.P. brass pillar taps with pair of elbow operated levers, C.I./M.S. brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour, curing complete as per specification. KBS 11.(P.No 83 of I.No.12.30 in PW,P&IWTD SR 2018-19).	Unit	5.00	5217.10	Five Thousand Two Hundred Seventeen Paise Ten Only
49	KSRB 11-7.3 Providing and fixing white vitreous china clay, flat back lipped front urinal wash basin of 430x260x350mm in the range of three 7.5 litres PVC automatic flushing cistern, C.I./M.S brackets standards flush pipe and C.P brass spreaders, with brass unions and G.I clamps painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications (S.R page no 80 item no 12.90)	No	3.00	6586.80	Six Thousand Five Hundred Eighty Six Paise Eighty Only
50	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads, complete as per specifications. Specification No. KBS 13.2.2/13.3 (P.No 93 of I.No.13.25 in PW,P&IWTD SR 2018-19).	Each	12.00	267.37	Two Hundred Sixty Seven Paise Thirty Seven Only
51	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa Pattern of size 580 x 440 mm with integral type footrest, 100mm S or P trap, 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I./M.S. brackets, 32 mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25 mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour, curing complete as per specification. KBS 11 (P.No 79 of I.No.12.2 in PW,P&IWTD SR 2018-19).	Pan	7.00	4785.45	Four Thousand Seven Hundred Eighty Five Paise Forty Five Only
52	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) (P.No 96 of I.No.13.78 in PW,P&IWTD SR 2018-19).	Nos	1.00	7735.58	Seven Thousand Seven Hundred Thirty Five Paise Fifty Eight Only
53	KSRB 11-15.3: Providing and fixing 453x357mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No 84 of I.No.12.41 in PW,P&IWTD SR	Unit	5.00	1287.00	One Thousand Two Hundred Eighty Seven Only

	Providing and fixing CP brass towel rail 600mm length 20mm dia with CP brackets, fixed to wooden cleats with CP brass screws including cost of materials, labour complete as per specification (S.R. page 83 item 12.46)	Each	2.00	763.59	Seven Hundred SixtyThree Paise FiftyNine Only
55	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.No.KBS 2.1 (a)/2.3.1 KSRB 2-1.1:-do- ordinary soil (BCSR Item No 2.1 Page No 6)	Cum	101.10	282.10	Two Hundred EightyTwo Paise Ten Only
56	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.(BCSR Item No 2.10, Page No 7)	Cum	101.10	227.72	Two Hundred TwentySeven Paise SeventyTwo Only
57	KSRRB M300-53.Construction of Embankment with Material Gravel/Murum KSRRB M300-53. Construction of embankment with approved material Gravel /Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (P.No.147, I.No.19.60 of PW, P&IWTDR SR 2018-19)	Cum	23.93	368.20	Three Hundred SixtyEight Paise Twenty Only
58	KSRB 2.8: Providing and Filling in foundation with granite / trap broken metal 100mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications. (P.No.7, I.No.2.15 of PW, P&IWTDR SR 2018-19)	Cum	31.13	2751.86	Two Thousand Seven Hundred FiftyOne Paise EightySix Only
59	KSRB 4-1.2:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2 (Item no 4.3,Page no13, of PW, P&IWTDR SR 2018-19)	Cum	25.30	5780.16	Five Thousand Seven Hundred Eighty Paise Sixteen Only
60	Providing and constructing granite I trap I basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour,curing complete as per specifications.(BCSR Item No 5.6,Page No. 25)	Cum	35.26	5206.90	Five Thousand Two Hundred Six Paise Ninety Only

62	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (P.No.25, I.No.5.9 of PW, P&IWTDR SR 2018-19).	Cum	17.26	6211.80	Six Thousand Two Hundred Eleven Paise Eighty Only
63	KSRB 15.1.3 Providing flush pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.115, I.No.15.1 of PW, P&IWTDR SR 2018-19).	Sqm	64.00	159.74	One Hundred FiftyNine Paise SeventyFour Only
64	Providing 20mm thick cement plaster (cement mortar 1:4) in single coat with cement mortar, to stone masonry & concrete surface including rounding off comers wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.(BCSR Item No. 15.19, PageNo.116)	Sqm	32.08	307.02	Three Hundred Seven Paise Two Only
65	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M20 for R.C.C works laid in 15 cms thick layers and well compacted by vibrating, curing, for foundations & Sub-Structure works with all lead and lifts etc., complete (Exclusive of cost of steel and fabrication charges.) (BCSR Item No 4.48, Page No.18)	cum	31.83	6167.62	Six Thousand One Hundred SixtySeven Paise SixtyTwo Only
66	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550 (P.No.18, I.No.4.46.3 of PW, P&IWTDR SR 2018-19)	Tonne	0.76	99036.47	NinetyNine Thousand ThirtySix Paise FourtySeven Only
67	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials,labour complete	Sqm	39.06	405.59	Four Hundred Five Paise FiftyNine Only
68	Open conduit System. Supplying heavy gauge PVC conduit ... dia confirming to S 2509 with suitable size bends. plugs in case of RCC Ceding and RCC wall stone structure or rawf plugs in case of brick walls and cement plastering damaged Portion using heavy gauge saddles at an interval of 700mm using WF screws) 19/20 mm dia 2mm thick.	Mtr	160.00	56.65	FiftySix Paise SixtyFive Only
69	A) 19/20mm dia 2mm thick	Mtr	140.00	73.43	SeventyThree Paise FourtyThree Only
70	B) 25MM DIA 2MM thick	Mtr	8.00	121.68	One Hundred TwentyOne Paise SixtyEight Only
	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting. necessary masonry patch work complete . (Pg. No. 03 It. No. 1.6.1, 1.6.3, 1.6.4) Electrical SR 2014-15. a) 12"x12"x3" (300x300 76mm)	Each	4.00	91.26	NinetyOne Paise TwentySix Only
	b) 10"x7"x3" (1254x178x 76mm)	Each			

73	8"x6"x3" (203x152x76mm)	Each	6.00	76.58	FiftyEight Only
74	Wiring for lighting/power circuit using one of PVC insulated 100v grade. muftis and Copper conductor single core cable in open or consealed system of wing I Group A Matenals. (Pg. No. 06, It. No. 2.5.2, 2.5.3, 2.5.4). Electrical SR 2014-15. a) 1.5 sqmm	Mtr	220.00	19.51	Nineteen Paise FiftyOne Only
	b) 2.5 sqmm	Mtr	180.00	30.63	Thirty Paise SixtyThree Only
	c) 4 sqmm	Mtr	120.00	44.16	FourtyFour Paise Sixteen Only
75	Point wiring using copper wire with switch Supplying and wine.; adopting loop system in existing PVC Conduit/casing coping using Copper PVC rivaied multi strand 2x1.5Somm copper wire with a 6Amps flush type SP commit switch shall be fixed on the existing plastic sheet /gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete lot each outlet. I. Point wiring using class A materials. a) Short point upto 31,1tr from tapping point to out let via switch. (Pg. No. 05 It. No. 2.1.1). Electrical SR 2014-15.	Each	20.00	182.53	One Hundred EightyTwo Paise FiftyThree Only
76	Supplying 6A flush/projected type socket and a 6 amps flush protected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. b) 6Amps 3/5 way. (Pg. No. 15 It. No. 3.1.2). Electrical SR 2014-15.	Each	10.00	157.35	One Hundred FiftySeven Paise ThirtyFive Only
77	Supplying and fixing hylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches. regulators etc , and fixing on existing wood or metal box using N.F.screws. (Pg. No. 17 It. No. 3.10). Electrical SR 2014-	Sqcm	4000.00	0.23	Paise TwentyThree Only
78	Supplying, fixing. wiring. earth electrode for grounding conduits. I C. cutouts and other r requirements on the meter board using 40nm du 1.90 thick GL pipe 25 rob long buried in a pit....The pa should be filled with equal proportion of salt and charcoal 150nm around the pipe to complete depth. The connection from the pipe to the conduit etc. is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts. washers and checkouts etc. the pipe shall have 16 through holes of 122mm dia. (Pg. No. 55 It. No. 7.1). Electrical SR	Each	2.00	2860.62	Two Thousand Eight Hundred Sixty Paise SixtyTwo Only
79	Supplying box type suitable for 28W T5 single / twin Lamp 8 suspension mounted luminaire 8 optical reflector. Prewired with HF electronic Ballast. push fit type tamp holders holders 8 main connectors. Channel Cover shag be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic 1x4' - 28 watts. (Pg. No. 20 It. No. 4.7.1). Electrical SR	Each	24.00	1038.51	One Thousand ThirtyEight Paise FiftyOne Only
80	Fixing all types and as capacities fluorescent/ false ceiling/ spot light/ CFL fitting indoor on the wan/ ceiling/ rafters/ girders using 23/ 0.0076 twin twisted PVC insulated wires, required nos of round blocks and camps. A) On wall/ ceiling/ rafter/ girders. (Pg. No. 108 It. No. 17.7.1). Electrical SR 2014-15	Each	24.00	102.80	One Hundred Two Paise Eighty Only

	Supplying capacitor type ceiling fan complete with down rod lades. shackle. canopies etc.. for operation on 230 volts, 50 cycles Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system I 48 Sweep (1200mm).a) Regular model (Khaitan. Crompton Cleaves. Orient. Ploar, Bajaj. Usha Havells.Almonard). (Pg. No. 78 It. No. 9.3.1.1). Electrical SR 2014-15.	Each	8.00	2492.42	Two Thousand Four Hundred NinetyTwo Paise FourtyTwo Only
82	Fixing a ceiling /wall mounting fan of all capacities and as types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23 / 0 0076 inch PVC insulated twin twisted copper wire and wiring completely(Pg. No. 109 It.No.17.8). Electrical SR	Each	10.00	145.81	One Hundred FourtyFive Paise EightyOne Only
83	Supplying and fixing of Procelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washers etc., complete a)63 Amps. (Pg. No. 45 It. No. 6.7.3). Electrical SR 2014-15.	Each	5.00	245.47	Two Hundred FourtyFive Paise FourtySeven Only
84	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC extruded inner sheathed,galvanized, steel strip (except 2CX10Sqmm wire armoured) confirming to IS 3975:1990 (No. of strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. a) 4 core 16 sqmm. (Pg No. 55 It. No. 7.4.4). Electrical SR 2014-15.	Mtr	150.00	147.28	One Hundred FourtySeven Paise TwentyEight Only
85	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe on wall / on pole as required. In existing trench / duct. a) 6 sqm to 16 sqmm. (Pg No. 61 It. No. 7.8.1). Electrical SR 2014-15.	Mtr	120.00	11.33	Eleven Paise ThirtyThree Only
86	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (Pg No. 61 It. No. 7.9.1, 7.9.5). Electrical SR 2014-15.b) C.C. cutting	Each	10.00	222.39	Two Hundred TwentyTwo Paise ThirtyNine Only
87	Supplying and fixing miniature circuit breakes on existing C8 distribution boards using necessary ruing materials and wiring complete as -1-d-red ,2. Group 'A'. (Pg. No. 47 It. No. 6.16.2, 6.16.4). Electrical SR 2014-15. a) 40-63Amps SP	Each	5.00	710.17	Seven Hundred Ten Paise Seventeen Only
88	b) 40-63Amps DP, Group A	Each	10.00	1146.56	One Thousand One Hundred FourtySix Paise FiftySix Only
89	Supplying and flung of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary cclamping arrangements for UG cable of 1.1 KV class. (Pg. No. 62 It. No. 7.12.1). Electrical SR 2014-15 a) 40mm	Mtr	4.00	361.91	Three Hundred SixtyOne Paise NinetyOne Only
90	Supplying & fixing L.T.cast von pot heads suitable for 1 I KV class UG cable filled will necessary bitumen/insulating compound complete with manna, damp. bolts, nuts and washers ect. (Pg. No. 62 It. No. 7.13.2). Electrical SR 2014-15.a) 16 sqmm	Each	2.00	293.72	Two Hundred NinetyThree Paise SeventyTwo Only
91	Supply and fixing of backlite D.P/Socket/switch with /without neon indicator over existing wood board or flush mounting in plastic plates/ nitches 1. Using group 'A' material. (Pg. No. 15 It. No. 3.3.4). Electrical SR 2014-15.a)16Armps Combined switch and socket with indication	Each	8.00	203.51	Two Hundred Three Paise FiftyOne Only

	Fabricating supplying and mounting MS box made out SWG sealable ea floor / wall mounting, fully weather proof with provision for bolter heat dissipation . provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with 'necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished ii-r approved colour enameled metal pan etc.. complete. (Pg. No. 49 It. No. 6.40.2). Electrical SR 2014-15. b)16 SWG	Each	4000.00	0.35	Paise ThirtyFive Only
93	Supplying and fixing regular MCB distribution boards on wall/woodboard / flush mounting using reputed calmps. bead, nuts etc.. with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coaled painting etc.. complete. II Double Door. .Group A.(Pg. No. 47 It. No. 6.17.III.10). Electrical SR 2014-15.a) 12Way TP &N	Each	4.00	5389.76	Five Thousand Three Hundred EightyNine Paise SeventySix Only
94	Supplying exhaust fan of 1440 RPM of 300mm (12") size was bracket blades complete for light duty suitable to operate on 230V 50Hz. AC. (Pg. No. 78 It. No. 9.1). Electrical SR 2014-15.	Each	2.00	1783.30	One Thousand Seven Hundred EightyThree Paise Thirty Only
95	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 amps. ceiling rose with sufficient length of 23/ 0.0076 inch PVC insulated twin core wire. (Pg. No. 109 It. No. 17.12). Electrical SR 2014-15.	Each	2.00	432.19	Four Hundred ThirtyTwo Paise Nineteen Only
96	Supplying and ruing cast Aluminium round or oblong type but head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp.	Each	2.00	998.65	Nine Hundred NinetyEight Paise SixtyFive Only
97	Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring 5 years Warranty against any manufacturing defect working under standard electrical condition.	Each	20.00	1959.53	One Thousand Nine Hundred FiftyNine Paise FiftyThree Only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.